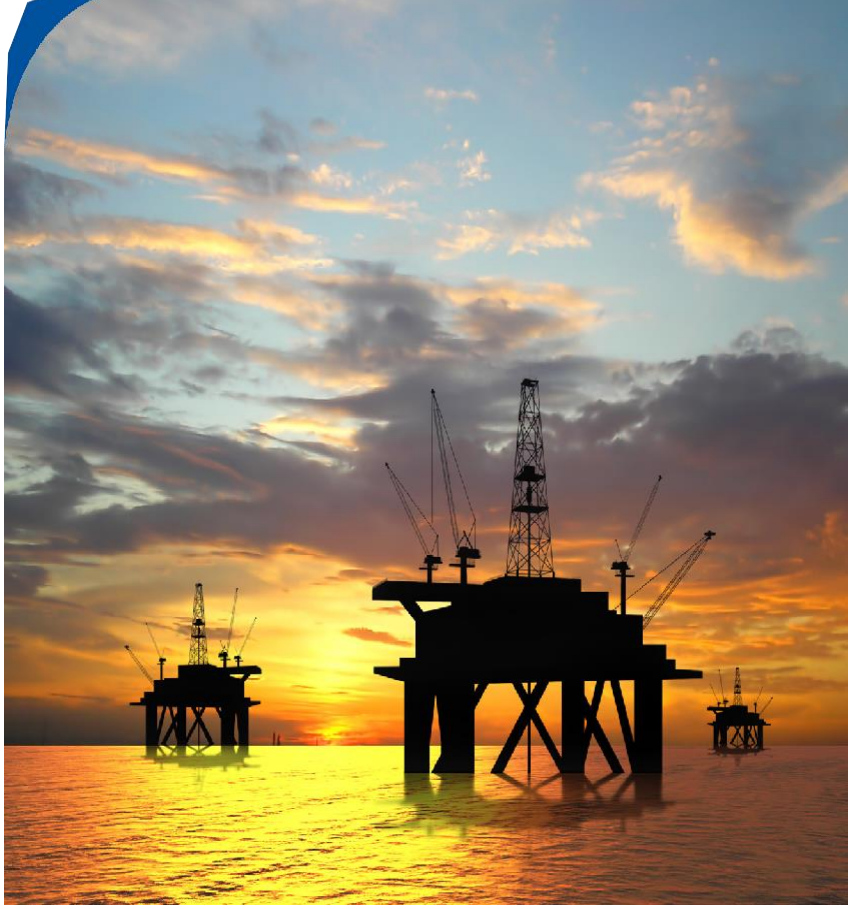

Technical Data Sheet: NEUTHANE 803/60D XPF

MDI – PPG Ether Quasi System

V1 January 2023

www.notedome.com

QUALITY SYSTEM CERTIFICATION DNV·GL ISO 9001:2015

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NEUTHANE 803/60D XPF - MDI – PPG Ether Quasi System

Properties	Processing	Special Considerations
The NEUTHANE 803/60D XPF MDI PPG ether quasi systems are designed to offer a reasonable level of physical properties at a price advantage over MDI – PTMEG systems They offer: • a reasonable level of physical properties • low cost • good hydrolysis resistance • ease of use • low viscosity (liquid at room temperature) • low process temperatures • two and three component systems • can be supplied silicone free under –SF suffix • mercury free **Typical Applications** • Dunage • Non dynamic roller coverings (e.g. conveyor rollers for the steel industry) • Scraper blades (e.g. snow plough blades) • Bump stops.	Processing can be carried out by hand or by dispensing machine. **Hand Processing** • Heat ISO and POLYOL component to 30°C • Ensure both components are completely liquid and thoroughly mixed prior to use • Add pigments and Antifoam, as applicable, to the POLYOL component whilst mixing • Add the ISO component and thoroughly mix ensuring that no unmixed material is left on the container sides (if necessary, the mix can be transferred to a second clean container and mixed again) • Remove air under vacuum • Cast into moulds, preheated to the recommended temperature • Cure as recommended	**Processing** • Avoid moisture contamination of all materials • Part used containers should be flushed with dry nitrogen and resealed immediately after use • It is vital that the POLYOL component is completely liquid and thoroughly mixed prior to use • Due to the exothermic nature of the system larger mixes will have a shorter pot life. **Alternatives** • Dynamic/Resilience – PTMEG systems should be considered: NEUTHANE 600 [MDI prepolymer] or NEUTHANE 801 [MDI quasi] • Solvents/Abrasion - ester based systems should be considered: NEUTHANE 700 [MDI prepolymer], NEUTHANE 802 [MDI quasi] or NEUTHANE 200 [TDI prepolymer] • Humid/Wet - Aliphatic Isocyanate based systems should be considered: NEUTHANE 500 series

COST	PROCESSING	ABRASION	DYNAMIC	RESILIENCE	SOLVENT	HUMID/WET	TEMPERATURE	UV STABILITY

Key	Excellent / Good	Good / Average	Average / Poor

NEUTHANE 803/60D XPF MDI – PPG Ether Quasi System

NEUTHANE		DP 3/3/52/1
Mix Ratio NEUTHANE 803 ISOXP	by weight	100 Grammes
Mix Ratio NEUTHANE 803/60D XPF	by weight	122.1 Grammes
NEUTHANE 803 ISOXP Temperature	°C	30
NEUTHANE 803/60D XPF Temperature	°C	30
Recommended Mould Temperature	°C	80
Pot life (on a 500g mix)	minutes	4
Demould time	minutes	30
Recommended Cure Temperature / Time	°C / hrs	80 / 16

Hardness	**DIN 2240-91**	Shore A	-
	DIN 2240-91	Shore D	60
100% Modulus	BS 903 Pt A2 - ISO 37	Mpa	20.4
Tensile Strength	BS 903 Pt A2 - ISO 37	Mpa	22.0
Elongation at Break	BS 903 Pt A2 - ISO 37	%	145
Trouser Tear Strength		N/mm	15.5
Angle Tear Strength		kN/m	89.3
Specific Gravity		g/cm^3	1.00
IZOD Impact		kJ/m^2	10.0
HDT		°C	42

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