

Neuthane 353

TDI – PPG Ether Prepolymer (90 Shore A)

Neuthane		353	
%NCO	%		5.3
Curative		MOCA	
Optimum Stoichiometry	%		95
Mix Ratio Curative per 100 Parts Resin	by weight		16.00
Resin Temperature	°C		70
Curative Temperature	°C		105
Recommended Mould Temperature	°C		90
Viscosity @ 100°C	cps		140
Pot life (on a 500g mix)	minutes		7
Recommended Cure Temperature	°C		95
Recommended Cure Time	hrs		20
Hardness	DIN 2240-91	Shore A	90
100% Modulus	BS 903 Pt A2 - ISO 37	lb/in ² (Mpa)	1140 (7.9)
300% Modulus	BS 903 Pt A2 - ISO 37	lb/in ² (Mpa)	2100 (14.5)
Tensile Strength	BS 903 Pt A2 - ISO 37	lb/in ² (Mpa)	4950 (34.2)
Elongation at Break	BS 903 Pt A2 - ISO 37	%	500
Tear Strength	BS 903 Pt A3 - ISO 34-1	lb/in (KN/m)	430 (75.3)
Compression Set	BS903 Pt A6 - ISO 815	%	36
Abrasion loss	DIN 53516	mm ³	121
Resilience	ASTM D 2632-92	%	30
Specific Gravity		g/cm ³	1.12

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