

Baytec® ME-230 (57D)

Polyurethane (Polyether, MDI)

Covestro - PUR

Message:

Baytec ME-230 is a modified diphenylmethane diisocyanate (MDI)-terminated polyether prepolymer based on polytetramethylene ether glycol (PTMEG).

General Information			
Forms	Liquid		
Hardness	Nominal Value		Test Method
Durometer Hardness (Shore D)	57		ASTM D2240
Mechanical	Nominal Value	Unit	Test Method
Taber Abrasion Resistance (1000 Cycles)	51.0	mg	ASTM D3489
Elastomers	Nominal Value	Unit	Test Method
Tensile Stress			ASTM D412
100% strain	16.3	MPa	ASTM D412
200% strain	20.4	MPa	ASTM D412
300% strain	17.4	MPa	ASTM D412
Tensile Strength (Break)	35.0	MPa	ASTM D412
Tensile Elongation (Break)	410	%	ASTM D412
Tear Strength			
-- ¹	123	kN/m	ASTM D624
Cracking	70	kN/m	ASTM D1938
Compression Set (70°C, 22 hr)	31	%	ASTM D395B
Bayshore Resilience	63	%	ASTM D2632
Thermoset	Nominal Value		
Thermoset Components			
Part C ²	Mixing ratio by weight: 30		
Component a ³	Mixing ratio by weight: 140		
Component B ⁴	Mixing ratio by weight: 70		
Additional Information			
Appearance: Colorless to pale yellow liquidNCO: 22.7 to 23.3 wt%Viscosity at 25°C: 300 mPa-sSpecific Gravity at 25°C: 1.14Flash Point, PMCC: >93°CDensity at 25°C: 9.5 lb/galMelt Point: 5 to 10°C			
NOTE			
1.	C mould		
2.	1,4 Butone Diol		
3.	Isocyanate		
4.	Polyol		

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