

Ultramid® 1C

Polyamide 66/6 Copolymer

BASF Corporation

Message:

Alcohol soluble polyamide for tough, abrasion-resistant coatings and coverings with high oxygen barrier.

General Information				
Features		Copolymer		
		Good Abrasion Resistance		
		Good Toughness		
		Oxygen Barrier		
Uses		Coating Applications		
Agency Ratings		EC 1907/2006 (REACH)		
RoHS Compliance		RoHS Compliant		
Forms		Pellets		
Physical	Dry	Conditioned	Unit	
Apparent Density	0.70	--	g/cm ³	
Mechanical	Dry	Conditioned	Unit	Test Method
Tensile Modulus	2400	1400	MPa	ISO 527-2
Tensile Stress (Yield)	80.0	48.0	MPa	ISO 527-2/50
Tensile Strain (Yield)	5.0	5.0	%	ISO 527-2/50
Nominal Tensile Strain at Break	100	37	%	ISO 527-2/50
Flexural Modulus	2300	1400	MPa	ISO 178
Flexural Stress	100	47.0	MPa	ISO 178
Impact	Dry	Conditioned	Unit	Test Method
Charpy Notched Impact Strength				ISO 179/1eA
-30°C	8.0	--	kJ/m ²	
23°C	7.5	8.5	kJ/m ²	
Charpy Unnotched Impact Strength				ISO 179/1eU
-30°C	200	--	kJ/m ²	
23°C	140 kJ/m ²	No Break		
Additional Information	Dry	Conditioned		
Polymer Abbreviation	PA6/66/136	--		

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