Product Information

Ultramid® 8350 HS BK-102
Polyamide 6

BASF
The Chemical Company

Product Description

Ultramid 8350 HS BK-102 is a type 6, black pigmented, impact modified graft copolymer developed for extrusion, tubing, and jacketing applications requiring a high level of toughness combined with a moderate level of flexibility.

Applications

Ultramid 8350 HS BK-102 is generally recommended for applications such as automotive vacuum tubing, cable jacketing, and high pressure and hydraulic hoses.

PHYSICAL	ISO Test Method	Property Value	
Density, g/cm	1183	1.07	
Moisture, %	62		
(24 Hour)		1.1	
(50% RH)		1.9	
(Saturation)		6.7	
MECHANICAL	**ISO Test Method**	**Dry**	**Conditioned**
Tensile Modulus, MPa	527		
23C		1,800	675
Tensile stress at yield, MPa	527		
23C		52	32
Tensile strain at yield, %	527		
23C		4.5	9
Nominal strain at break, %	527		
23C		>50	>50
Flexural Strength, MPa	178		
23C		55	-
Flexural Modulus, MPa	178		
23C		1,600	-
IMPACT	**ISO Test Method**	**Dry**	**Conditioned**
Izod Notched Impact, kJ/m^2	180		
23C		N	-
-40C		10	-
Charpy Notched, kJ/m^2	179		
23C		83	-
Charpy Unnotched, kJ/m^2	179		
23C		N	-
THERMAL	**ISO Test Method**	**Dry**	**Conditioned**
Melting Point, C	3146	220	-
HDT A, C	75	50	-
ELECTRICAL	**ISO Test Method**	**Dry**	**Conditioned**
Comparative Tracking Index	IEC 60112	600	-
Volume Resistivity	IEC 60093	>1E13	-
UL RATINGS	**UL Test Method**	**Property Value**	

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Flammability Rating, 1.5mm	UL94	HB
Relative Temperature Index, 1.5mm	UL746B	
Mechanical w/o Impact, C		65
Mechanical w/ Impact, C		65
Electrical, C		65