

Terluran® HH-112

Acrylonitrile Butadiene Styrene

BASF Corporation

Product Description

Terluran HH-112 is an injection molding grade of ABS with very high heat resistance.

General

Material Status	• Commercial: Active		
Availability	• Europe	• North America	
Additive	• Impact Modifier		
Features	• High Heat Resistance	• Impact Modified	
Agency Ratings	• ULC Unspecified Rating		
RoHS Compliance	• RoHS Compliant		
Appearance	• Natural Color		
Forms	• Pellets		
Processing Method	• Injection Molding		
Multi-Point Data	• Isothermal Stress vs. Strain (ISO 11403-1)	• Secant Modulus vs. Strain (ISO 11403-1)	• Viscosity vs. Shear Rate (ISO 11403-2)

Physical	Nominal Value	Unit	Test Method
Specific Gravity	--	1.05 g/cm ³	ASTM D792
--	--	1050 kg/m ³	ISO 1183 ²
Melt Volume-Flow Rate (MVR) (220°C/10.0 kg)	6.00	cm ³ /10min	ASTM D1238 ISO 1133 ²
Molding Shrinkage - Flow	0.55	%	ASTM D955

Mechanical	Nominal Value	Unit	Test Method
Tensile Modulus			
23°C	2800	MPa	ASTM D638
--	2700	MPa	ISO 527-2 ²
Tensile Strength			
Yield, 23°C	58.0	MPa	ASTM D638
Yield	58.0	MPa	ISO 527-2 ²
Break ³	39.0	MPa	ASTM D638
Tensile Elongation			
Yield, 23°C ³	3.0	%	ASTM D638
Yield	3.1	%	ISO 527-2 ²
Nominal strain at break	8.0	%	ISO 527-2 ²
Flexural Modulus (23°C)	2700	MPa	ASTM D790
Flexural Strength			
23°C	88.0	MPa	ASTM D790
23°C	81.0	MPa	ISO 178

Impact	Nominal Value	Unit	Test Method
Charpy notched impact strength			ISO 179/1eA ²
-30°C	5.00	kJ/m ²	
23°C	12.0	kJ/m ²	
Charpy Unnotched Impact Strength			ISO 179
-30°C	80	kJ/m ²	
23°C	140	kJ/m ²	
Notched Izod Impact			ASTM D256
-30°C	55.0	J/m	
23°C	100	J/m	
Unnotched Izod Impact Strength (23°C)	12.0	kJ/m ²	ISO 180

Dongguan Yi-Ming Plastic Chemical Co., Ltd.

如需要更多物性资料请查阅 www.kedisujiao.com

备注：以上原料物性数据由IDES发布,我公司仅提供参考！数据如有变动，请联系原料生产厂家获知。我公司不承担任何法律责任！

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Thermal	Nominal Value	Unit	Test Method
Deflection Temperature Under Load			ISO 75-2 ²
0.45 MPa	113	°C	
1.8 MPa	109	°C	
Vicat Softening Temperature			
--	112	°C	ASTM D1525 ⁴
50°C/h, B (50N)	112	°C	ISO 306 ²
CLTE - Flow	0.000090	cm/cm/°C	ISO 11359-2
Electrical	Nominal Value	Unit	Test Method
Volume Resistivity			
--	> 1.0E+13	ohm·cm	ASTM D257
--	> 1.0E+11	ohm·m	IEC 60093 ²
Electric Strength (1.50 mm)	41	kV/mm	IEC 60243-1
Flammability	Nominal Value	Unit	Test Method
Flame Rating - UL (1.50 mm)	HB		UL 94
UL 746	Nominal Value	Unit	Test Method
RTI Str (1.50 mm)	60.0	°C	UL 746
RTI Imp (1.50 mm)	60.0	°C	UL 746
RTI Elec (1.50 mm)	60.0	°C	UL 746

Notes

¹ Typical properties: these are not to be construed as specifications.

² Tested in accordance with ISO 10350. 23°C/50%r.h. unless otherwise noted.

³ 51 mm/min

⁴ Rate A (50°C/h), Loading 2 (50 N)

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