

Diamond ASA TWP-155

Acrylonitrile Styrene Acrylate
Network Polymers, Inc.

Message:

Diamond ASA TWP-155 is an Acrylonitrile Styrene Acrylate (ASA) product. It is available in North America.
Characteristics include:
REACH Compliant
RoHS Compliant
WEEE Compliant
Good UV Resistance
Good Weather Resistance

General Information			
Features	Good UV Resistance		
	Good Weather Resistance		
Agency Ratings	EC 1907/2006 (REACH)		
	EU 2002/96/EC (WEEE)		
RoHS Compliance	RoHS Compliant		
Appearance	Clear/Transparent		
Forms	Pellets		
Physical	Nominal Value	Unit	Test Method
Specific Gravity	1.16	g/cm ³	ASTM D792
Melt Mass-Flow Rate (MFR) ¹			ASTM D1238
200°C/5.0 kg	2.1	g/10 min	
230°C/3.8 kg	14	g/10 min	
Molding Shrinkage - Flow	0.40 to 0.80	%	ASTM D955
Hardness	Nominal Value	Unit	Test Method
Rockwell Hardness (R-Scale)	119		ASTM D785
Mechanical	Nominal Value	Unit	Test Method
Tensile Strength ² (Yield)	58.3	MPa	ASTM D638
Flexural Modulus ³	2340	MPa	ASTM D790B
Impact	Nominal Value	Unit	Test Method
Notched Izod Impact (3.18 mm)	32	J/m	ASTM D256A
Thermal	Nominal Value	Unit	Test Method
Deflection Temperature Under Load (1.8 MPa, Unannealed, 3.18 mm)	65.0	°C	ASTM D648
Vicat Softening Temperature	95.0	°C	ASTM D1525 ⁴
Optical	Nominal Value	Unit	Test Method
Transmittance (3000 µm)	85.5	%	ASTM D1003
Haze (3000 µm)	7.6	%	ASTM D1003


NOTE	
1.	Procedure A
2.	51 mm/min
3.	Method I (3 point load), 1.3 mm/min
4.	Loading 1 (10 N)

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Recommended distributors for this material

Susheng Import & Export Trading Co.,Ltd.

Tel: +86 21 5895 8519
Phone: +86 13424755533
Email: sales@su-jiao.com
No. 215, Lianhe North Road, Fengxian District, Shanghai, China



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