

ALCOM® ASA 540/6 UV SV1245-05MCF

Acrylonitrile Styrene Acrylate

ALBIS PLASTIC GmbH

Message:

ALCOM®ASA 540/6 UV SV1245-05MCF is an acrylonitrile-styrene-acrylate (ASA) product. It can be processed by injection molding and is available in North America, Europe or the Asia-Pacific region. Typical application areas are: housing.

Features include:

Comply with REACH standard

ROHS certification

Copolymer

UV stability

General Information			
Additive	UV stabilizer		
Features	Copolymer		
Uses	Shell		
Agency Ratings	EC 1907/2006 (REACH)		
RoHS Compliance	RoHS compliance		
Appearance	Metallization-dyeing		
Processing Method	Injection molding		
Physical	Nominal Value	Unit	Test Method
Density	1.13	g/cm ³	ISO 1183
Melt Volume-Flow Rate (MVR) (220°C/10.0 kg)	27.0	cm ³ /10min	ISO 1133
Hardness	Nominal Value	Unit	Test Method
Ball Indentation Hardness (H 358/30)	103	MPa	ISO 2039-1
Mechanical	Nominal Value	Unit	Test Method
Tensile Modulus	3000	MPa	ISO 527-2
Tensile Stress	44.0	MPa	ISO 527-2
Tensile Strain (Break)	6.0	%	ISO 527-2
Flexural Modulus	2800	MPa	ISO 178
Flexural Stress	70.0	MPa	ISO 178
Impact	Nominal Value	Unit	Test Method
Charpy Notched Impact Strength			ISO 179/1eA
--	7.0	kJ/m ²	ISO 179/1eA
-40°C	2.0	kJ/m ²	ISO 179/1eA
-20°C	3.0	kJ/m ²	ISO 179/1eA
Charpy Unnotched Impact Strength			ISO 179/1eU
--	27	kJ/m ²	ISO 179/1eU
-40°C	12	kJ/m ²	ISO 179/1eU
-20°C	13	kJ/m ²	ISO 179/1eU
Thermal	Nominal Value	Unit	Test Method

Heat Deflection Temperature (1.8 MPa, Unannealed)	86.0	°C	ISO 75-2/A
Vicat Softening Temperature	95.0	°C	ISO 306/B50
Injection	Nominal Value	Unit	
Drying Temperature			
Dehumidification desiccant	80	°C	
Hot air dryer	80	°C	
Drying Time			
Dehumidification desiccant	3.0 - 6.0	hr	
Hot air dryer	2.0 - 4.0	hr	
Processing (Melt) Temp	240 - 280	°C	
Mold Temperature	40 - 80	°C	

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