

NEFTEKHIM ABS 0824V

Acrylonitrile Butadiene Styrene

Nizhnekamskneftekhim Inc.

Message:

ABS 0824V- is an easy flow, low gloss grade of special purpose, extruded and coextruded. It is widely used for production of foil extrusion/coextrusion that requires an enhanced mattness and for profile extrusion. It is produced self-colored , free of additives and dye.

General Information	
Features	Good Flow Low Gloss
Appearance	Natural Color
Forms	Pellets
Processing Method	Coextrusion Extrusion Profile Extrusion

Physical	Nominal Value	Unit	Test Method
Melt Mass-Flow Rate (MFR) (220°C/10.0 kg)	6.5 to 9.5	g/10 min	ASTM D1238
Molding Shrinkage - Flow	0.40 to 0.60	%	
Water Absorption (Equilibrium)	0.30	%	ASTM D570
Hardness	Nominal Value	Unit	Test Method
Rockwell Hardness (R-Scale)	97		ISO 2039-2
Mechanical	Nominal Value	Unit	Test Method
Tensile Strength (Yield)	27.0	MPa	ASTM D638
Tensile Elongation (Break)	100	%	ASTM D638
Flexural Modulus	1550	MPa	ASTM D790
Flexural Strength (Yield)	40.0	MPa	ASTM D790
Impact	Nominal Value	Unit	Test Method
Charpy Notched Impact Strength (23°C)	9.0	kJ/m ²	DIN 53453
Notched Izod Impact Strength (23°C)	7.0	kJ/m ²	ISO 180
Thermal	Nominal Value	Unit	Test Method
Vicat Softening Temperature	97.0	°C	ASTM D1525 ¹
CLTE - Flow	9.0E-5	cm/cm/°C	ASTM D696
Thermal Conductivity	0.17	W/m/K	ASTM C177
Deflection Temperature	101	°C	ASTM D648
Residual Styrene ²	0.050	%	Internal Method
Flammability	Nominal Value	Unit	Test Method
Flame Rating	HB		UL 94
Glow Wire Ignition Temperature	650	°C	IEC 60695-2-1

Optical	Nominal Value	Test Method
Gardner Gloss (60°)	40	ASTM D523

NOTE

1. Rate A (50°C/h), Loading 2 (50 N)
2. Test Method: TU
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