NEFTEKHIM ABS 0554E

Acrylonitrile Butadiene Styrene

Nizhnekamskneftekhim Inc.

Message:

ABS 0554 - is an extrusion grade with a good hardness and rigidity. It has a good flow characteristic and heat resistance required for production of extruded sheet. It is used for production of the sheets with a high surface quality (coextruded or not, with high extrusion ratio) intended for a wide range of applications, in refrigerators, sanitary, packaging, automotive components and furniture (profiles). It is produced self-colored only, free of additives and dye.

General Information	
Features	Good Flow Good Surface Finish High Hardness High Heat Resistance High Rigidity
Uses	Appliances Automotive Applications Furniture Packaging Sanitary Products
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)	3.5 to 6.5	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)	110		ISO 2039-2
Mechanical	**Nominal Value**	**Unit**	**Test Method**
Tensile Strength (Yield)	35.0	MPa	ASTM D638
Tensile Elongation (Break)	45	%	ASTM D638
Flexural Modulus	2300	MPa	ASTM D790
Flexural Strength (Yield)	68.0	MPa	ASTM D790
Impact	**Nominal Value**	**Unit**	**Test Method**

Charpy Notched Impact Strength (23°C)	16	kJ/m²	DIN 53453
Notched Izod Impact Strength (23°C)	17	kJ/m²	ISO 180
Thermal	**Nominal Value**	**Unit**	**Test Method**
Vicat Softening Temperature	100	°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	104	°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°)	60		ASTM D523
NOTE			
1.	Rate A (50°C/h), Loading 2 (50 N)		
2.	Test Method: TU 2214-159-05766801-2011		

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