

ABS 0445E

ABS

Nizhnekamskneftekhim OAO

Processing/Physical Characteristics	Value	Unit	Test Standard
ASTM Data			
Melt Flow Index, MFI	4	g/10min	ASTM D 1238
Temperature	220	°C	-
Load	10	kg	-

Mechanical properties	Value	Unit	Test Standard
ISO Data			
Izod notched impact strength, +23°C	15	kJ/m ²	ISO 180/1A
ASTM Data			
Tensile Strength	45	MPa	ASTM D 638
Elongation at Break	45	%	ASTM D 638
Flexural Modulus	2300	MPa	ASTM D 790
Flexural Strength	68	MPa	ASTM D 790

Thermal properties	Value	Unit	Test Standard
ASTM Data			
UL 94 Flame rating	HB	-	UL 94
Coefficient of Thermal Expansion, MD	90	E-6/K	ASTM D 696
Vicat Temperature	100	°C	ASTM D 1525
Thermal Conductivity, solid state	0.0245	W/(m K)	ASTM C 177

Characteristics**Processing**

Profile Extrusion, Sheet Extrusion

Applications

Automotive, General Purpose, Packaging, Refrigeration

Delivery form

Pellets

Regional Availability

Europe, Asia Pacific