

ABS 1434

ABS

Nizhnekamskneftekhim OAO

Processing/Physical Characteristics	Value	Unit	Test Standard
ASTM Data			
Melt Flow Index, MFI	14	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	11	kJ/m ²	ISO 180/1A
ASTM Data			
Tensile Strength	42	MPa	ASTM D 638
Elongation at Break	60	%	ASTM D 638
Flexural Modulus	2250	MPa	ASTM D 790
Flexural Strength	60	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	97	°C	ASTM D 1525
Thermal Conductivity, solid state	0.0245	W/(m K)	ASTM C 177

Characteristics**Processing**

Injection Molding

Delivery form

Pellets

Special Characteristics

High impact or impact modified, Heat stabilized or stable to heat

Applications

General Purpose

Regional Availability

Europe, Asia Pacific