



TEREZ ABS 3009			
ABS		Ter Plastics	
Product Texts			
Easy flowing ABS with high impact resistance. For all kind of injection moulding applications with high impact stress.			
Rheological properties		Value	Unit
ISO Data			
Melt flow index, MFI	20	g/10min	ISO 1133
MFI temperature	220	°C	ISO 1133
MFI load	10	kg	ISO 1133
Mechanical properties		Value	Unit
ISO Data			
Tensile Modulus	2300	MPa	ISO 527-1/-2
Yield stress	45	MPa	ISO 527-1/-2
Yield strain	2.6	%	ISO 527-1/-2
Strain at break	10	%	ISO 527-1/-2
Charpy impact strength (+23°C)	180	kJ/m ²	ISO 179/1eU
Charpy notched impact strength (+23°C)	22	kJ/m ²	ISO 179/1eA
Thermal properties		Value	Unit
ISO Data			
Temp. of deflection under load (1.80 MPa)	99	°C	ISO 75-1/-2
Temp. of deflection under load (0.45 MPa)	103	°C	ISO 75-1/-2
Vicat softening temperature, 50°C/h 50N	97	°C	ISO 306
Burning behav. at 1.5 mm nom. thickn.	HB	class	IEC 60695-11-10
Thickness tested	1.6	mm	IEC 60695-11-10
Electrical properties		Value	Unit
ISO Data			
Comparative tracking index	600	-	IEC 60112
Other properties		Value	Unit
ISO Data			
Water absorption	1	%	Sim. to ISO 62
Humidity absorption	0.22	%	Sim. to ISO 62
Density	1040	kg/m ³	ISO 1183
Characteristics			
Processing		Features	
Injection Molding		Amorphous	
Delivery form		Applications	
Pellets		Automotive, Building Construction, IT / Business Machine, Encapsulation	