

<b>Technical Properties: PLYFORM ABS FR – V0</b>				
<b>Construction:</b>		Multi-layer or mono-layer <b>fire retardant</b> grade ABS		
<b>Edition / Date:</b>		2/08-07-2024		
Characteristics		Value*	Unit*	Test method*
<b>PHYSICAL PROPERTIES</b>				
Density	23°C	1.19	g/cm <sup>3</sup>	ISO 1183
<b>MECHANICAL PROPERTIES</b>				
Tensile E-Modulus	23°C	2300	MPa	ISO 527
Yield stress	23°C	44	MPa	ISO 527
Strain at yield	23°C	2.4	%	ISO 527
IZOD notched impact strength	23°C	19	kJ/m	ISO 180/1A
	-30°C	8	kJ/m	ISO 180/1A
<b>THERMAL PROPERTIES</b>				
Vicat B	50°C/h 50N	99	°C	ISO 306/B
HDT (annealed)	1.82 MPa	96	°C	ISO 75 A
<b>BURNING BEHAVIOUR</b>				
Flammability classification #		V0		UL 94
<b>MISCELLANEOUS PROPERTIES</b>				
Moulding shrinkage		0.4– 0.6	%	ISO 294/4
Thermoforming temperature range		160 to 210	°C	General test method

\* Tested on raw material (natural colour).

# Fire testing carried out by Warrington Fire 21.12.22 (tests 525992, 525993, and 525994).

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