



WE DO WORK TO KEEP YOUR COMPETITIVE ADVANCED

JSC «Plastic's» key products are ABS-plastic materials. We use our own petrochemical raw materials and control every stage of production.

JSC «PLASTIC» IS RUSSIAN
ADVANCED POLYMER FULL-CYCLE
CHEMISTRY PLANT

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ABS

- Electrical engineering and electronic
- Automotive
- Consumer electronics



				ABS-PLASTICS														
Name of criteria	Unit of measure	Test methods	Testing condition	Grade								range						
				ABS 2020-31	ABS 2020-31 M	ABS 2020-32	ABS 2525-31	ABS 1525-31	ABS 1525-32	ABS 1515-31	ABS 1515-32	ABS 1530-31	ABS 1530-32	ABS 1530M-31	ABS 1530M-32	ABS 2802-31	ABS 2806-31	ABS 2806-32
Density	kg/m ³	GOST 15139	-	1040	1040	1040	1040	1040	1040	1040	1040	1040	1040	1040	1040	1050	1040	1040
Molding shrinkage under pressure	%, within	GOST 18616	-	0,3-0,7	0,3-0,7	0,3-0,7	0,3-0,7	0,3-0,7	0,3-0,7	0,3-0,7	0,3-0,7	0,3-0,7	0,3-0,7	0,3-0,7	0,3-0,7	0,3-0,7	0,3-0,7	0,3-0,7
Melt Flow Index (MFI)	g/10 min	GOST 11645	220°C/10kgf/10 min	9,0	16,0	15,0	20,0	22,0	22,0	19,0	19,0	25,0	25,0	30,0	30,0	2,5	6,0	6,0
Elongation at Break	%	GOST 11262	Sample – paddle, type II, separation displacement of pull test machine clinch, 20±2 mm/min	30,0	25,0	25,0	25,0	20,0	20,0	20,0	20,0	20,0	20,0	20,0	20,0	35,0	32,0	32,0
Izod Impact Strength	kJ/m ²	GOST 19109	Sample, type I, with cut 3,2 mm, temp 23°C	32,0	25,0	25,0	22,0	16,0	16,0	19,0	19,0	16,0	16,0	16,0	16,0	42,0	40,0	40,0
Tensile stress at yield	kgs/cm ²	GOST 11262	Sample – shovel, type II, speed of pull test machine separation displacement clinch 20±2 mm/min	460,0	450,0	450,0	450,0	470,0	470,0	470,0	470,0	470,0	430,0	430,0	400,0	440,0	440,0	
Thermal Vicat Softening Temp	°C	GOST 15088	Stress load 50±1 H, Temperarute rise speed 120±10°C/hour or 2°C/min	100,0	97,0	97,0	96,0	101,0	101,0	102,0	102,0	98,0	98,0	97,0	97,0	100,0	100,0	100,0
Gloss	%	Angle 60°		-	-	-	90,0	90,0	90,0	92,0	92,0	92,0	92,0	92,0	92,0	-	-	-
Thermal and light stabilized, grades				+	+	+	+	+	+	+	+	+	+	+	+	+	+	+
Grades with enhanced UV stabilization, atmospheric resistance				-	-	+	-	-	+	-	+	-	+	-	-	-	-	-
Grades approved for food contact				-	-	-	-	+	-	+	-	+	-	-	-	-	-	-
Application				ABS-plastics made by «Plastic» JSC Uzlovaya intended for the production improved deformational properties, heat resistance, etc. ABS grades are The grades can be processed by extrusion or by injection molding. Some with high fluidity.											of a wide range of products. It has high impact strength, used in automobile parts, electrical industry, etc. grades combine thermo- UV- and atmospheric resistance			