



ACRYLONITRILE-STYRENE IMPACT AND HEAT MODIFIER FOR RIGID PVC COMPOSITIONS

The modifier is dustless.
Three grades are available: ABS15F,
ABS20F, and ABS28F.
It is used for achieving impact and
heat resistance of PVC compositions,
both separately and in combination
with other modifiers.

MODIFIER FOR RIGID PVC COMPOSITIONS

- Windows
- Doors
- Decking
- Siding
- Pipes

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**ACRYLONITRILE-STYRENE IMPACT AND HEAT MODIFIER, GRADES:
ABS-20F, ABS-28F, ABS-15F**

Indicator	Grade norm			Test method
	ABS-15F	ABS-20F	ABS-28F	
Appearance	Tableted powder (flakes), white			Visually
Melt fluidity (at 220 °C/10 kgf), g/10 min, not less than/within	17,0	5,0-12,0	4,0-7,0	Clause 7.2 of TU and GOST 11645-73
Izod impact strength, kgf•cm/cm ² (kJ/m ²), not less than	13,0 (12,8)	24,5 (24,0)	32,6 (32,0)	Clause 7.3 of TU and GOST 19109-84
Vicat softening temperature (50 N).°C, not less than	100	97	96	Clause 7.4 of TU and GOST 15088-2014
Moisture and volatiles, mass fraction, %, not more than	0,3	0,3	0,3	Clause 7.5 of TU
Reference indicators				
Density, kg/m ³	1040	1040	1040	GOST 15139-69
Bulk density, g/cm ³ , within	0,29-0,38	0,29-0,38	0,29-0,38	GOST 11035.1-93
Elastic modulus, MPa, within	1900-2000	1800-2200	1700-2200	GOST 9550-81
Bulk density, g/cm ³ , within	0,29-0,38	0,29-0,38	0,29-0,38	GOST 11035.1-93
Rockwell hardness (R scale), within	100-110	100-110	95-100	GOST 24622-91
Deflection temperature under load, °C (1.8 MPa), not less than	97	96	95	GOST 12021-84
Notched Izod impact strength (at minus 30 °C), kJ/m ² , not less than	7	12	10	GOST 19109-84
Elongation at break, %, not less than	18	22	25	GOST 11262-80

Used to ensure impact and heat resistance of PVC compositions, both separately and in combination with other modifiers: chlorinated polyethylene, acrylate modifiers, methyl-methacrylate-styrene modifiers. The product is combined with rigid PVC and additives for its processing (waxes, fillers, lubricants, stabilizers, etc.). It has a stabilizing effect on PVC compositions. Its additional characteristics are stability of mechanical properties of polyvinyl chloride profiles at low temperatures, increased heat resistance.

NEW PRODUCT
FROM PLASTIC OJSC
ABS-15F, ABS-20F, ABS-28F



The product is compatible with PVC and additives for its processing. It has a stabilizing effect on PVC compositions. Its additional characteristics are stability and increase of mechanical properties of polyvinyl chloride profiles at low temperatures, as well as increased heat resistance.



We use in-house petrochemical raw materials and carry out quality control at every stage!